California. Dept. of Fish and Game.
Biennial Report 1886-1888.

BIENNIAL REPORT

OF THE

State Board of Fish Commissioners.

1886-1888.

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BIENNIAL REPORT

OF THE

STATE BOARD OF FISH COMMISSIONERS

OF THE

STATE OF CALIFORNIA,

FOR THE

YEARS 1886–1888.

COMMISSIONERS.

JOSEPH ROUTIER, Sacramento, President.
J. DOWNEY HARVEY, Los Angeles, Secretary.
CHARLES JOSSELYN, San Francisco.

SACRAMENTO:
STATE OFFICE, : : : : J. D. YOUNG, SUPT. STATE PRINTING.
1888.

REPORT.

Honorable R. W. WATERMAN, *Governor of the State of California:*

SIR: As required by law, the State Board of Fish Commissioners herewith present their report of the transactions and disbursements of the Commissioners during the thirty-eighth fiscal year, ending June 30, 1887, and the thirty-ninth fiscal year, ending June 30, 1888.

Governor Washington Bartlett, on March 12, 1887, appointed Joseph Routier a member of the Board to succeed R. H. Buckingham, term expired, and J. Downey Harvey to succeed A. B. Dibble, term expired, both of whom were subsequently confirmed by the Senate. Messrs. Routier and Harvey, together with T. J. Sherwood, constituting the State Board of Fish Commissioners, organized on the twenty-fourth day of March, 1887, by electing Joseph Routier, President, and T. J. Sherwood, Secretary and Treasurer. The Board immediately entered upon a vigorous prosecution of the work of the Commission. The various subordinate officers, necessary to a discharge of the important duties of the Commission, were appointed, and the members of the Board looked forward to the accomplishment of many important results to the fishery interests of the State.

The work of the Commission was progressing very satisfactorily, until disturbed by the attempt on your part to reorganize the Commission by placing thereon persons of your own selection. This attempted removal of the members of the Commission (Routier and Harvey) discredited the acts of the Commission, destroyed public confidence in the legality of their official acts, and defeated all efforts to an efficient discharge of their duties. That the legal status of the Board might be determined, Mr. J. D. Redding, who had been appointed by you to succeed Commissioner Routier, obtained the permission of the Attorney-General to bring an action in the name of the people to oust Mr. Routier, but after suffering the action to remain in the Courts for several months, he caused it to be dismissed. Subsequently, the State Board of Examiners, moved by the clamor of claimants who had furnished supplies, or rendered services to the State, agreed that the question as to who were entitled to act as the State Board of Fish Commissioners should be submitted to the Attorney-General, and that the opinion of that officer should be binding upon the Board of Examiners until overruled by the Courts.

This course of the Board of Examiners was rendered necessary by the action of Messrs. Redding and Orr claiming under a commission issued by you, setting up a rival Board, and pretending to be the State Board of Fish Commissioners, and assuming to discharge the duties of such Commissioners. These gentlemen were subsequently reinforced by Mr. Charles Josselyn, appointed by you to succeed Commissioner T. J. Sherwood, resigned.

The Attorney-General in due time filed his opinion with the State Board of Examiners, affirming that the State Board of Fish Commissioners legally consisted of Messrs. Joseph Routier, J. Downey Harvey, and Charles Josselyn. Notwithstanding this opinion of the Attorney-General, and the previous agreement between the Board of Examiners and the rival Boards,

Mr. Josselyn, as to whose right to the office no question existed, refused, and still refuses, to act with the majority of the Board.

These actions practically destroyed, for a time, the usefulness of the Board, and makes it impossible for us to lay before you any extended records of its labors. Discouraging as have been the obstructions thrown in our way, we have endeavored to protect and advance the interests of the State committed to our care, and believe that we have not been altogether unsuccessful in our efforts.

FISHING INTERESTS IN GENERAL.

The fishery interests of the State are in a comparatively satisfactory condition.

The salmon spring run of 1887 was quite small, as was also that of 1888. The fall run of 1887 did not show any improvement. The August run of this year was abundant. The supply of shad has been very large, and will increase materially each year. The supply of carp has been enormous, being found in all the rivers and waters of the State. The catch of sturgeon during the last and present year has been small. This must be attributed to the continued indiscriminate and criminal slaughter made by the Chinamen and other fishermen. Special efforts have been made to stock the rivers and lakes with the various species of trout. In these efforts we have been quite successful, as evidenced by the astonishment of many at finding them abundant in streams to which they had for years been strangers. Black bass have been distributed in different places throughout the State. The increase of this fish at Crystal Springs, San Mateo County, has been rapid, and is the source from which our supply has been obtained.

PATROL AND PROTECTION.

As in previous years, the patrol boat has been maintained upon the rivers and bays. That its work has been effective has been shown by the large number of arrests and convictions for violations of the fish laws of the State. The service, however expensive, is absolutely necessary to the protection of the fish interests of the State. The receipts into the State Treasury from fines for violations of fish laws amounted during the thirty-eighth fiscal year to $183 66, and for the thirty-ninth fiscal year to $1,751 98.

SEALS AND SEA LIONS.

We respectfully repeat the recommendations of the last report of the Fish Commissioners, as follows: These aquatic animals are a serious detriment to the fish interests of the State. They sit at the entrance of Golden Gate as royal toll gatherers, and take the lion's share of the schools of the finny tribe, as they pass from the broad Pacific into the bay of San Francisco, preparatory to an ascent of our rivers. In the opinion of the Commission, they are great destroyers of the salmon. They appear to be more numerous at Seal Rock, and around the entrance of San Francisco Bay, than in former years, owing, no doubt, to the fact that the fishermen have driven them with their nets from Suisun and San Pablo Bays. They not only guard the entrance of San Francisco Bay, but are found at the entrance of Monterey, Bolenas, Point Arena, Tomales, and Shoalwater Bays. This and former Commissions and the public press have repeatedly invoked legislative action to prevent the immense destruction of fish constantly going on and increasing by these worthless animals. It is highly important to our citi-

zens to have the food of which they are so deprived, and in their behalf remedial legislation is again urgently demanded.

STEAM LAUNCH.

The steam launch "Governor Stoneman," constructed at a cost of over $4,000, has been found useless for the service for which it was intended. We have, in the interest of economy and an efficient service, laid it up, and used in its stead for patrol purposes a sloop rented and operated for a sum much less than the cost of running the launch. The main objection to the launch is that its approach can be discerned by those engaged in illegal fishing, at such distances as to enable them to escape detection in their criminal acts. We recommend that the "Governor Stoneman" be disposed of, as it is a bill of expense to the Commission.

SHEBLEY HATCHERY.

This hatchery was established in May, 1883. During that year there were hatched and distributed over ninety-five thousand trout. The output for 1887 was two million. During this year, up to the present time, fifty thousand. In addition to this trout hatchery, Captain Todman, with the authority of the Commission, established one at Lake Bigler, and hatched and released over five hundred thousand during the year 1887. The Commission this year rented the hatchery, and up to the present time have hatched and are distributing over six hundred thousand trout. The Commission contemplated the building of a trout hatchery at Donner Lake, but owing to the complications in which we found ourselves, were compelled to forego this intention. We believe that a hatchery should be constructed at that place, and so recommend.

STATE SALMON HATCHERY.

In March, 1885, the Legislature passed a bill, authorizing the Board of Fish Commissioners to erect and maintain a State Salmon Hatchery, and appropriated therefor the sum of $10,000. The site was selected and the hatchery erected during the term of office of our predecessors. The great expectations indulged in by the previous Commission have not been realized. An experience of two years has convinced us that the selection was an unfortunate one. During 1887 but two hundred thousand salmon were hatched. During the previous years, as I have been informed, a less number were hatched.

The location on Hat Creek is too high up in the river, and the salmon do not reach there until October, after the spawning season is over. Moreover, the climate is too severe, and the cost of maintaining the hatchery during the winter season too heavy. The distance of the hatchery from railroad communication—eighty miles—is another substantial objection to the site. We have abandoned its use and removed all the portable apparatus to Sisson, where a temporary hatchery has been established at a cost of $1,500.

The United States Fish Commission will furnish us all the eggs that we can handle. This will enable us to hatch and release about two million salmon during the present year.

DAMS AND FISH LADDERS.

Much has been accomplished towards securing observance of the law requiring the construction of fishways, so as to permit the free passage of fish. However, in a few instances, resistance has been made, and in one case, after the arrest and conviction of the offending parties, in the Justice's Court, an appeal was taken to the Superior Court, where it now rests.

APPROPRIATIONS AND EXPENSES.

The Legislature, at its last session, appropriated for the use of the Commission during the thirty-ninth fiscal year the sum of $7,500; and for the fortieth fiscal year the sum of $7,500. These appropriations, with the moneys received from licenses and fines, have been sufficient for the work of the Commission.

A detailed statement of the disbursements is herewith transmitted. Also a statement of moneys disbursed on account of certain deficiency claims allowed by the Legislature.

FISHERMEN'S LICENSES.

Under an Act of the Legislature, approved March 21, 1887, all persons engaged in the vocation of fishing were required to take out a license. The licenses and classes were arranged as follows: Class A (less than three men using one boat), $5 00; Class B (three men), $7 50; and for each additional man, $2 50. The receipts from licenses for the thirty-eighth fiscal year amounted to $2,100: and for the thirty-ninth fiscal year, $2,708 70.

We have met with many difficulties in our efforts to enforce this license tax. The fact that no penalty is provided by the Act for failing to take out the required license, has led to the release of some offenders by Justices of the Peace, who held that no punishment could be inflicted upon those who refuse or neglect to obey the law. This, in spite of the fact that a penalty is provided by Section 435 of the Penal Code. The number of licenses of the different classes sold, and the receipts therefrom during the year 1887, were as follows:

Class.	Number Sold.	Amounts Received.
A	651	$3,255 00
B	17	127 50
C	33	330 00
D	45	562 50
E	2	30 00
	748	$4,305 00

Of this amount—$4,305—the sum of $492 30 was deducted as commissions allowed by law for the collection of the licenses, leaving $3,812 70 as the net amount paid into the State Treasury from this source during the year stated. The receipts for the present year will be considerably less, owing partly to the disorganized condition of the Commission during the early part of the fishing season. Also the action of certain of the Courts, as detailed above.

LAWS RECOMMENDED.

The following recommendations of our predecessors in office, contained in their last report, are renewed: "The close season for salmon should be enlarged. It is now between the thirtieth day of August and the first day of October. It should be from the first day of August to the first day of October. The Commission earnestly recommends legislative remedial action to prevent the destruction of fish by seals and sea lions." We further recommend, for the reasons stated in another portion of this report, that the License Act be amended so as to declare the penalty for its violation. We also recommend that a law be passed providing for the confiscation and destruction of all unlawful nets or seines taken with persons arrested for illegal fishing. The possession of fish out of season, or fish of under size, should be made a misdemeanor. Some legislation should be had regarding the taking of immature fish, and defining "immature fish." at least so far as it concerns salmon, shad, sturgeon, and trout.

Respectfully submitted.

JOSEPH ROUTIER, President.
J. DOWNEY HARVEY, Secretary.

October 1, 1888.

EXPENDITURES

During the Thirty-eighth Fiscal Year, ending June 30, 1887, chargeable against the Appropriation for the Restoration and Preservation of Fish within the waters of the State.

To appropriation (General Appropriation Bill, Statutes of California, 1885, page 85)			$5,000 00
To additional appropriation, March 15, 1887 (Statutes, 1887, page 156)			405 18
By Expenditures.			
Warrant No. 558—To J. Shebley, salary and expenses, July 1 to 16, 1886	$83 35		
To William Shebley, labor and expenses	59 05		
		$142 40	
Warrant No. 2682—To A. B. Dibble, traveling and other expenses	$93 00		
To R. H. Buckingham, traveling and other expenses	45 15		
To Murcken & Knoch, supplies	7 47		
To J. H. Hartin, salary and expenses of Chief of Patrol	160 70		
To John Cropper, salary, watchman "Governor Stoneman"	30 00		
To Dennis & Fitzwater, supplies	32 38		
To Caledonian Insurance Co., insurance on hatchery at Hat Creek	96 00		
To Huntington, Hopkins & Co., supplies	12 56		
To payroll, July, 1886	120 00		
		597 26	
Warrant No. 3952—To A. B. Dibble, traveling and other expenses	$104 00		
To Goodall, Perkins & Co., 500 gallons of water	2 50		
To R. H. Buckingham, traveling and other expenses	73 35		
To Sullivan & Co., supplies	29 75		
To Murcken & Knoch, supplies	17 36		
To J. Shebley, salary and expenses	224 50		
To J. H. Hartin, salary and expenses, Chief of Patrol	296 00		
To Charles J. Hendery, supplies	13 00		
To W. T. Garratt, repairs for "Governor Stoneman"	5 50		
To payroll, August, 1886	263 34		
		1,029 30	
Warrant No. 4356—To S. P. Maslin, salary of Assistant Secretary and Treasurer, months of July, August, and September, 1886		90 00	
Warrant No. 4366—To Dennis & Fitzwater, supplies	$52 72		
To A. B. Dibble, traveling and other expenses	76 00		
To J. McArthur, supplies	8 66		
To Florin Bros., supplies	12 00		
To Burns & Kneass, supplies	103 50		
To I. N. Gill, supplies	10 25		
To Murcken & Knoch, supplies	36 10		
To payroll	238 50		
		537 73	
Warrant No. 4710—To R. H. Buckingham, traveling and other expenses	$179 80		
To Dennis & Fitzwater, supplies	22 88		
To Marysville Coal Gas Co., 1 barrel coal tar	6 00		
To J. H. Hartin, supplies and repairs, "Governor Stoneman"	138 50		
To J. H. Hartin, salary and expenses, Chief of Patrol, September, 1886	346 50		
		693 68	
Amount carried forward		$3,090 37	$5,405 18

EXPENDITURES—Continued.

Amount brought forward		$3,090 37	$5,405 18
Warrant No. 5429—To A. B. Dibble, traveling and other expenses	$80 00		
To Bidwell Bros., supplies	17 60		
To R. H. Buckingham, traveling and other expenses	94 20		
To Fall River Mills, supplies	19 77		
To J. Shebley, labor and expenses, October, 1886	147 45		
To Murcken & Knoch, supplies	22 16		
To payroll, October, 1886	229 00		
		610 18	
Warrant No. 5430—To S. P. Maslin, salary, October, 1886		30 00	
Warrant No. 6543—To S. P. Maslin, salary as Assistant Secretary, November, 1886		30 00	
Warrant No. 6544—To J. H. Miller, clerical services		25 00	
Warrant No. 6828—To S. P. Maslin, salary as Assistant Secretary, December, 1886		30 00	
Warrant No. 6829—To R. H. Buckingham, traveling and other expenses	$46 00		
To A. B. Dibble, traveling and other expenses	83 00		
To J. McArthur, supplies	5 00		
To W. J. McDowell, supplies	31 00		
To W. H. Schnittger, wood and hauling	22 00		
To H. Buckingham, watchman "Governor Stoneman," November, 1886	30 00		
To Murcken & Knoch, supplies	41 76		
To Dennis & Fitzwater, supplies	80 60		
To payroll November, 1886	241 50		
		580 86	
Warrant No. 7347—To T. J. Sherwood, traveling and other expenses	$62 40		
To T. J. Sherwood, traveling and other expenses	52 90		
To A. B. Dibble, traveling and other expenses	96 25		
To H. Buckingham, watchman "Governor Stoneman," December, 1886	30 00		
To C. W. Pierce	4 65		
To Murcken & Knoch	26 57		
To payroll December, 1886	187 75		
		460 52	
Warrant No. 7453—To Black Diamond Coal Mining Company, coal		95 80	
Warrant No. 8956—To H. Woodson, 70,000 trout eggs	$100 00		
To A. B. Dibble, traveling and other expenses	96 25		
To Murcken & Knoch, supplies	6 15		
To payroll January 1 to 15, 1887	153 20		
	$355 60		
Less deficiency in appropriation	308 33		
		47 27	
Warrant No. 13163—To J. H. Hartin, salary and expenses Chief of Patrol, December, 1886	$65 00		
To H. F. Johnson, supplies	3 85		
To Dennis & Fitzwater, supplies	28 00		
		96 85	
Warrant No. 13164—To balance due on deficiency claims shown in Warrant No. 8956		308 33	
			$5,405 18

EXPENDITURES

During the Thirty-ninth Fiscal Year, ending June 30, 1888, chargeable against the Appropriation for the Restoration and Preservation of Fish in the waters of the State.

To appropriation (Statutes of California, 1887, page 215)			$3,750 00
By Expenditures.			
Warrant No. 1498—To J. W. Willage, services as Chief of Patrol, July, 1887	$33 33		
To J. W. Willage, provisions, etc.	61 30		
To J. W. Willage, rent and repairs to sloop	124 90		
To J. W. Willage, expenses and board	24 75		
To John S. Benn, boat hire, etc.	85 60		
To Catania & Carlett, boat hire, etc.	59 00		
To W. S. Shebley, labor at hatchery	74 00		
To Frank Sherwood, cook on boat	33 00		
To William Haven, cook on boat	5 50		
To Walter Markham, deckhand	34 00		
To W. E. Elliott, Captain of boat	60 00		
To Orson Elliott, watchman on boat	16 66		
To John Howard, deckhand	16 66		
To John Richardson, pilot	22 50		
To John F. Moody, removing obstructions	20 00		
To T. J. Sherwood, expenses as Commissioner	102 05		
To J. Routier, expenses as Commissioner	51 90		
To J. Downey Harvey, expenses as Commissioner	46 00		
To Le Count Bros., lithographing	40 00		
To Black Diamond Coal Company, coal	95 85		
		$1,007 00	
Warrant No. 1955—To J. W. Willage, rent of sloop, July, 1887	$60 00		
To J. W. Willage, traveling expenses	23 50		
To J. W. Willage, traveling expenses	11 00		
To Walter Markham, cook on boat	40 00		
To Orson Elliott, deckhand	50 00		
To John Howard, mate	50 00		
To W. E. Elliott, pilot	60 00		
To J. W. Willage, services as Chief of Patrol	100 00		
To J. W. Willage, expenses in trials	10 00		
To J. W. Willage, provisions, etc.	79 10		
To J. W. Willage, rent and expenses of sloop	50 00		
		533 60	
Warrant No. 4222—To J. W. Willage, salary and expenses	$283 50		
Warrant No. 4223—To J. W. Willage, rent of sloop	60 00		
Warrant No. 4224—T. J. Sherwood, expenses as Commissioner	76 70		
Warrant No. 4225—To J. Routier, expenses as Commissioner	75 80		
Warrant No. 4226—To Marysville "Appeal," printing	50 00		
		501 00	
Warrant No. 4945—To Orson Elliott, labor on patrol boat	$50 00		
Warrant No. 4946—To Walter Markham, labor on patrol boat	50 00		
Warrant No. 4947—To John Howard, labor on patrol boat	50 00		
Warrant No. 4948—To W. E. Elliott, labor on patrol boat	60 00		
Warrant No. 4949—To J. W. Willage, salary, expenses, and supplies	191 75		
Warrant No. 4950—To T. J. Sherwood, expenses as Commissioner	104 50		
Warrant No. 4951—To J. Routier, expenses as Commissioner	89 50		
Warrant No. 4952—To J. F. Cunningham, supplies	34 97		
		630 72	
Warrant No. 7285—To J. W. Willage, salary and expenses	$173 50		
Warrant No. 7286—To John F. Moody, expenses serving papers	7 50		
Warrant No. 7287—To J. Routier, expenses as Commissioner	35 80		
Amount carried forward		$2,673 12	$3,750 00

EXPENDITURES—Continued.

Amount brought forward		$2,673 12	$3,750 00
Warrant No. 7288—To J. Downey Harvey, expenses as Commissioner	$44 00		
Warrant No. 7289—To T. J. Sherwood, expenses as Commissioner	107 20		
Warrant No. 7290—To Westgate, Ruble & Co., supplies for sloop	54 40		
		422 40	
Warrant No. 10049—To Mrs. J. W. Willage, expenses of J. W. Willage, deceased		88 90	
Warrant No. 12546—To Mrs. J. W. Willage, labor and supplies furnished by J. W. Willage, deceased		16 00	
Warrant No. 12547—To J. Downey Harvey, expenses as Commissioner		83 00	
Warrant No. 12548—To J. Routier, expenses as Commissioner		162 45	
Balance on hand July 1, 1888		304 93	
			$3,750 00

EXPENDITURES

During the Thirty-ninth Fiscal Year, ending June 30, 1888, chargeable against the Appropriation for the Support and Maintenance of State Hatcheries.

By appropriation (Statutes of California, page 215)		$3,750 00
By Expenditures.		
Warrant No. 1954—To J. Shebley, salary and expenses at hatchery	$309 75	
Warrant No. 4953—To J. Shebley, salary and expenses at hatchery	168 54	
Warrant No. 4954—To E. W. Hunt, salary at hatchery	60 00	
Warrant No. 4955—To Frank Sherwood, salary at hatchery	50 00	
Warrant No. 4956—To Murcken & Knoch, supplies	16 21	
Warrant No. 4213—To W. H. Shebley, distributing fish	158 10	
Warrant No. 4214—To J. Shebley, distributing fish, and salary, etc.	187 19	
Warrant No. 4215—To E. C. Ross & Co., pipe, etc.	58 60	
Warrant No. 4216—To E. W. Hunt, labor	57 30	
Warrant No. 4217—To W. F. Sherwood, cook	36 70	
Warrant No. 4218—To Murcken & Knoch, repairs	50 00	
Warrant No. 4219—To E. B. Bainbridge, groceries	40 91	
Warrant No. 4220—To M. Kerney, meats	11 75	
Warrant No. 4221—To T. J. Sherwood, traveling expenses	76 70	
Warrant No. 7291—To E. B. Bainbridge, supplies	64 38	
Warrant No. 7292—To M. Kerney, meats	6 40	
Warrant No. 7293—To William Schnittger, teaming	11 50	
Warrant No. 7294—To Frank Sherwood, cook	50 00	
Warrant No. 7295—To E. W. Hunt, labor	60 00	
Warrant No. 7296—To J. Shebley, salary as Supt., and supplies	126 85	
Warrant No. 7297—To J. S. Benn, fish and expenses	164 70	
Warrant No. 7298—To W. H. Shebley, salary and expenses as Supt., distributing fish	433 85	
Warrant No. 9380—To E. B. Bainbridge, supplies	35 94	
Warrant No. 9381—To E. W. Hunt, labor	50 00	
Warrant No. 9382—To W. F. Sherwood, cook	40 00	
Warrant No. 9383—To Murcken & Knoch, supplies	5 85	
Warrant No. 9384—To W. H. Shebley, salary as Supt., and expenses	71 60	
Warrant No. 11592—To W. H. Schnittger, supplies	27 00	
Warrant No. 11593—To W. F. Sherwood, cook	40 00	
Warrant No. 11594—To E. W. Hunt, labor	50 00	
Warrant No. 11595—To Murcken & Knoch, supplies	8 25	
Warrant No. 11596—To E. B. Bainbridge, supplies	26 05	
Warrant No. 11597—To W. H. Shebley, supplies, etc.	85 85	
Warrant No. 11598—To J. Shebley, services and expenses	52 08	
Warrant No. 11599—To E. B. Bainbridge, supplies	13 70	
Warrant No. 12564—To W. H. Shebley, salary and expenses as Supt.	68 15	
Warrant No. 12565—To E. W. Hunt, salary and expenses	56 21	
Warrant No. 12568—To E. B. Bainbridge, supplies	22 88	
Warrant No. 12569—To Murcken & Knoch, supplies	5 08	
Warrant No. 12570—To W. F. Sherwood, cook	40 00	
Balance on hand July 1, 1888	851 93	
		$3,750 00

EXPENDITURES

During the Thirty-eighth Fiscal Year, ending June 30, 1887, chargeable against the Fish Commission Fund.

By receipts into the fund, thirty-eighth fiscal year			$2,283 66
By Expenditures.			
Warrant No. 14887—To Le Count Bros., record and account books	$6 00		
To C. H. Evans, repairs to steamer "Governor Stoneman"	41 96		
To Charles J. Hendery, supplies for steamer	5 60		
To Charles J. Hendery, supplies for steamer	9 00		
To Orson Elliott, labor on steamer	23 50		
To John Howard, labor on steamer	23 50		
To William Havens, labor on steamer	18 00		
To John Richardson, pilot	37 50		
To Alexander Harper, labor on steamer	31 25		
To J. W. Willage, expenses moving "Governor Stoneman"	53 30		
To J. W. Willage, provisions, etc., for steamer	23 70		
To J. W. Willage, salary as Chief of Patrol	70 00		
To Pacific Printing House, printing license blanks	30 00		
To H. Buckingham, watchman steamer "Governor Stoneman"	20 00		
To J. Routier, expenses as Commissioner	135 20		
To T. J. Sherwood, expenses as Commissioner	84 50		
		$613 01	
Warrant No. 15683—To G. A. Gillespie, fees in cases of illegal fishing		12 00	
Warrant No. 15684—To Jim Chin, services as interpreter in cases of illegal fishing		6 00	
Warrant No. 15826—To J. W. Kerns, stove, etc., for steamer "Governor Stoneman"	$16 75		
To J. S. Benn, rent of plunger, etc.	10 00		
To T. W. O'Neil, tin tags for licenses	546 00		
To J. W. Willage, expenses as Chief of Patrol	49 88		
To J. W. Willage, supplies for steamer	34 75		
To Westgate, Ruble & Co., supplies for steamer	65 87		
To John Howard, deckhand	50 00		
To Orson Elliott, watchman on steamer	50 00		
To William Havens, cook on steamer	40 00		
To C. A. Sweeney, expenses in cases of illegal fishing	14 85		
To D. D. Willis, expenses in cases of illegal fishing	9 00		
To J. R. Lewis, expenses attending meeting of the Board as License Collector	20 00		
To J. W. Willage, salary as Chief of Patrol	100 00		
To John Richardson, salary as pilot	75 00		
To A. Harper, salary as engineer of steamer "Governor Stoneman"	75 00		
To Charles Chinn, services as interpreter in trials for illegal fishing	3 00		
To G. H. Kinloch, Constable fees in cases of illegal fishing	13 20		
To J. Downey Harvey, expenses as Commissioner	140 00		
To Joseph Routier, expenses as Commissioner	121 85		
Amount carried forward		$631 01	$2,283 66

EXPENDITURES—Continued.

Amount brought forward		$631 01	$2,283 66
To T. J. Sherwood, expenses as Commissioner	101 15		
To J. R. Lewis, expressage, etc., for License Collector	5 90		
		1,546 20	
Balance on hand July 1, 1887		106 45	
			$2,283 66

EXPENDITURES.

During the Thirty-ninth Fiscal Year, ending June 30, 1888, chargeable against the Fish Commission Fund.

By balance on hand July 1, 1887			$106 45
Receipts into the fund, thirty-ninth fiscal year			4,460 68
By Expenditures.			
Warrant No. 1500—To R. C. Carter, stovepipe	$2 00		
To A. Harper, engineer on steamer	15 00		
To S. T. Hadley, blacksmithing	5 00		
To J. W. Willage, traveling expenses	21 00		
To J. W. Willage, block and tackle	1 75		
To J. W. Willage, traveling expenses	36 00		
To J. W. Willage, provisions, etc.	29 60		
To J. W. Willage, rent of sloop	50 00		
To Orson Elliott, services as watchman on steamer	41 69		
To Frank Sherwood, services as cook	31 51		
To John Howard, services as deckhand	41 69		
To John Richardson, services as pilot	62 50		
To J. S. Benn, seven days labor	21 00		
To Le Count Bros., stationery	11 25		
To J. S. Benn, fish net, tank, etc.	41 45		
To J. Routier, expenses, etc., as Commissioner	132 50		
To T. J. Sherwood, expenses, etc., as Commissioner	157 20		
To J. W. Willage, services as Chief of Patrol	83 35		
		$784 49	
Warrant No. 4535—To J. Shebley, labor and expenses		236 62	
Warrant No. 4536—To John Koon, expenses in arrests for illegal fishing	$14 50		
Warrant No. 4537—To J. W. Willage, services as Chief of Patrol	66 67		
Warrant No. 4538—To John Howard, services as deckhand	33 34		
Warrant No. 4539—To Orson Elliott, services as watchman on steamer	33 34		
Warrant No. 4540—To J. Routier, expenses, etc., as Commissioner	162 05		
Warrant No. 4541—To T. J. Sherwood, expenses, etc., as Commissioner	87 40		
Warrant No. 4542—To T. J. Sherwood, expenses, etc., as Commissioner	65 00		
Warrant No. 4543—To A. B. Dibble, expenses and printing, suit of People vs. Dobbins	32 75		
Warrant No. 4544—To J. Downey Harvey, expenses, etc., as Commissioner	20 00		
Warrant No. 4545—To John Koon, expenses in arrests for illegal fishing	6 00		
		521 05	
Warrant No. 4943—To J. Routier, per diem as Commissioner	$65 00		
Warrant No. 4944—To T. J. Sherwood, per diem as Commissioner	70 00		
		135 00	
Amount carried forward		$1,677 16	$4,567 13

EXPENDITURES—Continued.

Amount brought forward		$1,677 16	$4,567 13
Warrant No. 5909—To J. Routier, per diem as Commissioner	$75 00		
Warrant No. 5910—To T. J. Sherwood, per diem as Commissioner	90 00		
		165 00	
Warrant No. 7281—To T. J. Sherwood, per diem as Commissioner	$55 00		
Warrant No. 7282—To J. Routier, per diem as Commissioner	35 00		
Warrant No. 7283—To J. Downey Harvey, per diem as Commissioner	15 00		
Warrant No. 7284—To Westgate, Dozier & Co., supplies	23 35		
		128 35	
Warrant No. 9385—To J. Downey Harvey, expenses, etc., as Commissioner		74 00	
Warrant No. 9386—To T. J. Sherwood, expenses, etc., as Commissioner		73 90	
Warrant No. 10031—To J. Routier, expenses, etc., as Commissioner		30 20	
Warrant No. 11587—To Murcker & Knoch, supplies for hatchery at Hat Creek		5 15	
Warrant No. 11588—To W. F. Sherwood, labor, etc., for hatchery at Hat Creek		24 55	
Warrant No. 11589—To W. H. Shebley, salary and expenses as Superintendent of Hatchery		66 25	
Warrant No. 11590—To W. F. Sherwood, services as cook at hatchery		40 00	
Warrant No. 11591—To W. H. Schnittger, services as watchman, etc., at hatchery		24 50	
Warrant No. 12571—To L. Meyer & Co., supplies to Chief of Patrol		4 25	
Balance on hand July 1, 1888		2,253 82	
			$4,567 13

DEFICIENCIES

Incurred during the Thirty-fifth Fiscal Year, ending June 30, 1884, and during the Thirty-seventh Fiscal Year, ending June 30, 1886, chargeable against the Appropriation for the Restoration and Preservation of Fish within the waters of the State.

Appropriation to provide for the deficiency for the thirty-fifth fiscal year		$19 65
Warrant No. 13160—To balance due on claims contained in vouchers on which warrant No. ——, —— fiscal year, was issued	$19 65	
Appropriation to provide for the deficiency for the thirty-eighth fiscal year		869 20
Warrant No. 13161—To balance due on claims contained in vouchers on which warrant No. 6442, thirty-seventh fiscal year, was issued	39 10	
Warrant No. 13162—To R. H. Buckingham	82 00	
To A. B. Dibble	288 94	
To J. Shebley	86 66	
To W. C. Jones	80 00	
To J. H. Hartin	137 00	
Payroll	157 50	
	$869 20	

DEFICIENCIES

Incurred during the Thirty-seventh Fiscal Year, ending June 30, 1886, chargeable against the Appropriation for Support and Maintenance of a State Salmon Hatchery.

Appropriation		$895 47
Warrant No. 13165—To Dennis & Fitzwater, supplies for hatchery	$47 60	
Warrant No. 13166—To Dennis & Fitzwater, supplies for hatchery	92 94	
To H. Schnittger, supplies for hatchery	9 55	
To Murcken & Knoch, supplies for hatchery	23 35	
To Florin Bros.	20 46	
To S. P. Maslin, services as Assistant Secretary	60 00	
Payrolls, April, May, and June, 1886	450 00	
Warrant No. 13167—To Dennis & Fitzwater, supplies to hatchery	30 20	
To Murcken & Knoch, supplies to hatchery	11 37	
Payroll, April	150 00	
	$895 47	